



Rural Action

Working Together to Revitalize Appalachian Ohio

Watershed Restoration

Partnering to improve the future

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Industrial History



- Iron
- Timber
- Oil and Natural Gas
- Salt mining
- Clay – used to make bricks
- Furs
- COAL MINING



Coal Mining Impacts



Watershed Restoration

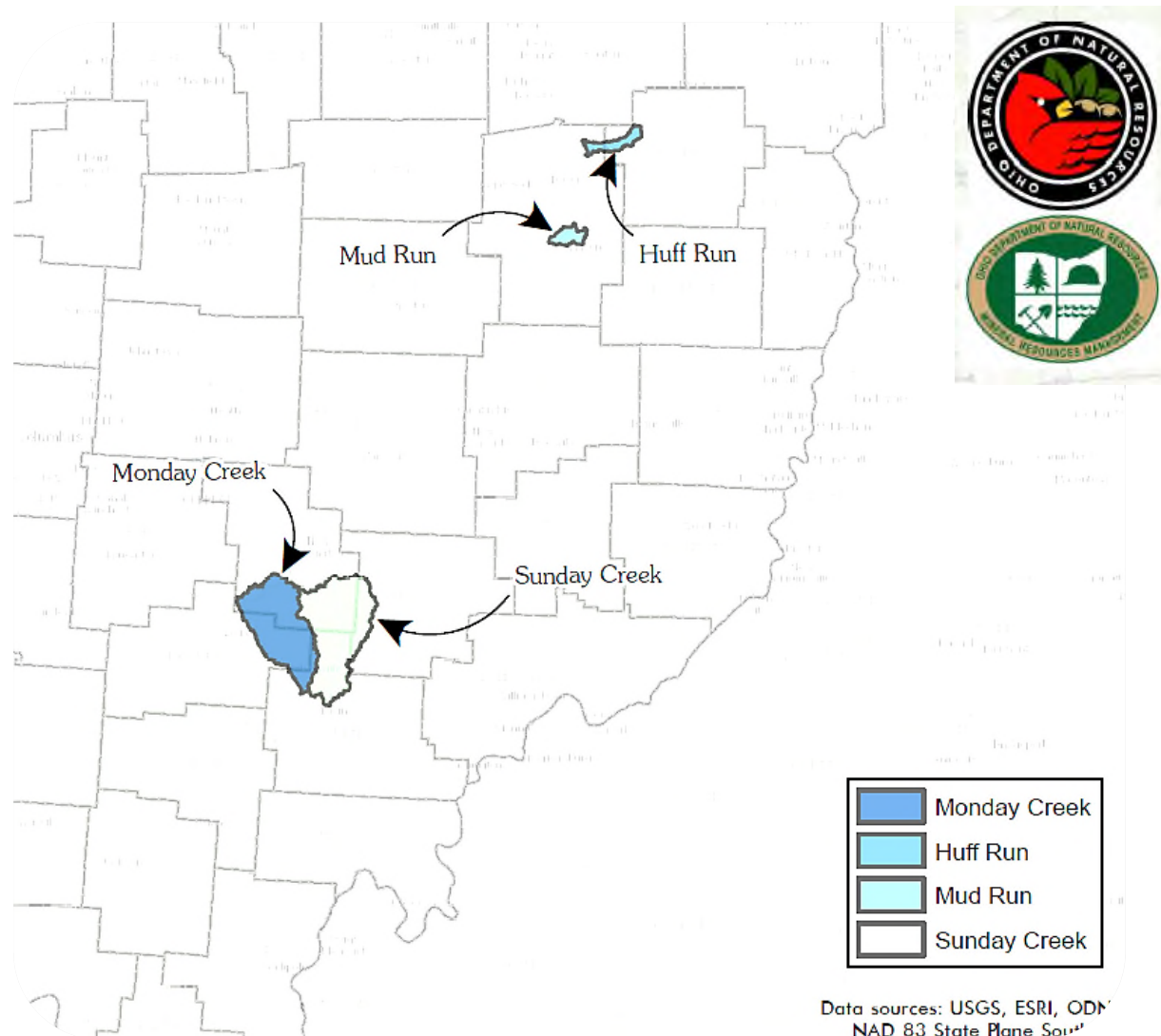


Improved Water Quality, Healthy Communities



Learn More at www.ruralaction.org

Rural Action Watersheds



Watershed Partners



Local
Citizens



US Army Corps
of Engineers®



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County
Commissioners



Soil & Water
Conservation
Districts



Working Together



- **ODNR Watershed Coordinator Grant**
- **ODNR, Division of Mineral Resources Management**
- **U. S. Forest Service – Wayne National Forest**
- **Grants – OSM / OEPA**
- **AmeriCorps Members – Ohio Stream Restore Corps**



AmeriCorps Program



- Matching funds contributed by ODNR, Division of Mineral Resources Management
- 7 AmeriCorps members working with watershed groups
- Only Environmental Program in Ohio



AmeriCorps Successes

2012-2013



- ✓ 738 stream miles monitored
- ✓ 2,197 volunteers leveraged
- ✓ 6,098 volunteer hours served
- ✓ 5,520 people educated
- ✓ \$128,200 non-cash resources leveraged
- ✓ \$254,000 brought into the region
- ✓ 5 New Species of fish identified



Working Together



- Over \$23 million leveraged
- Reclamation / Prevention
 - ✓ Over 110 Subsidence Closures
 - ✓ 55 acres of Gob Pile reclamation
- 26 AMD Treatment Systems
 - ✓ Limestone Doser
 - ✓ Limestone Leach Beds
 - ✓ Successive Alkaline Producing System
 - ✓ Steel Slag



Gob Pile Reclamation



Before



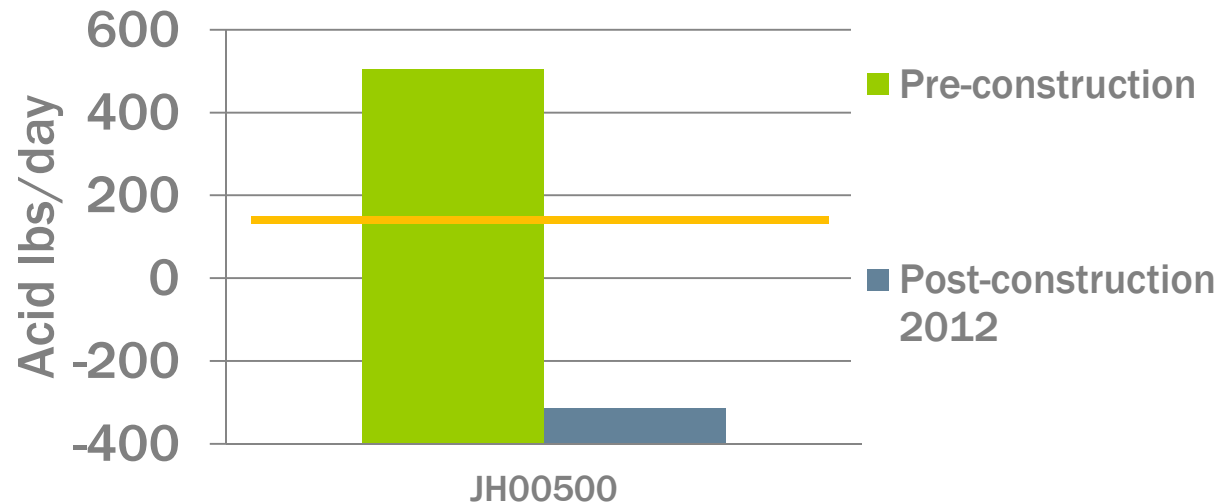
After



Limestone Dosers



Jobs Doser Acid Load Reduction



Chemical Water Quality



Fish Sampling



Electrofishing



Macroinvertebrate Sampling



MAIS



Results

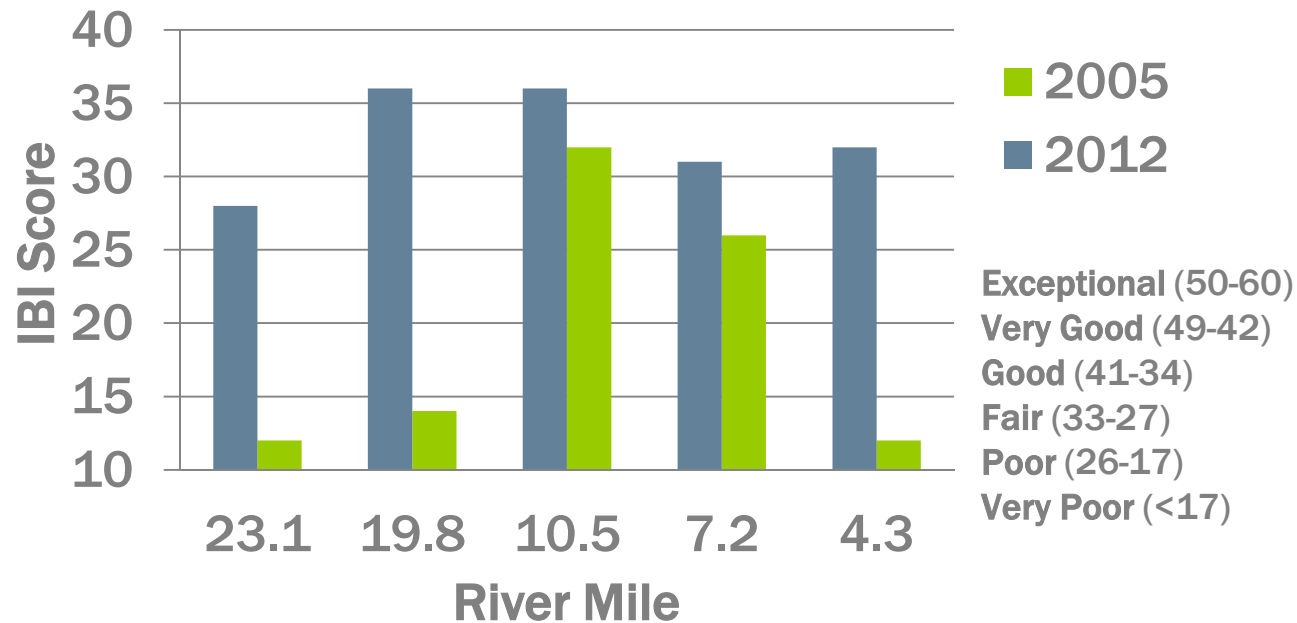


Every year over 730 tons of acid is prevented from entering the streams

Biological Improvements



Monday Creek IBI Scores



- 30 Native Species of Fish
- Significant improvements in aquatic macroinvertebrate communities



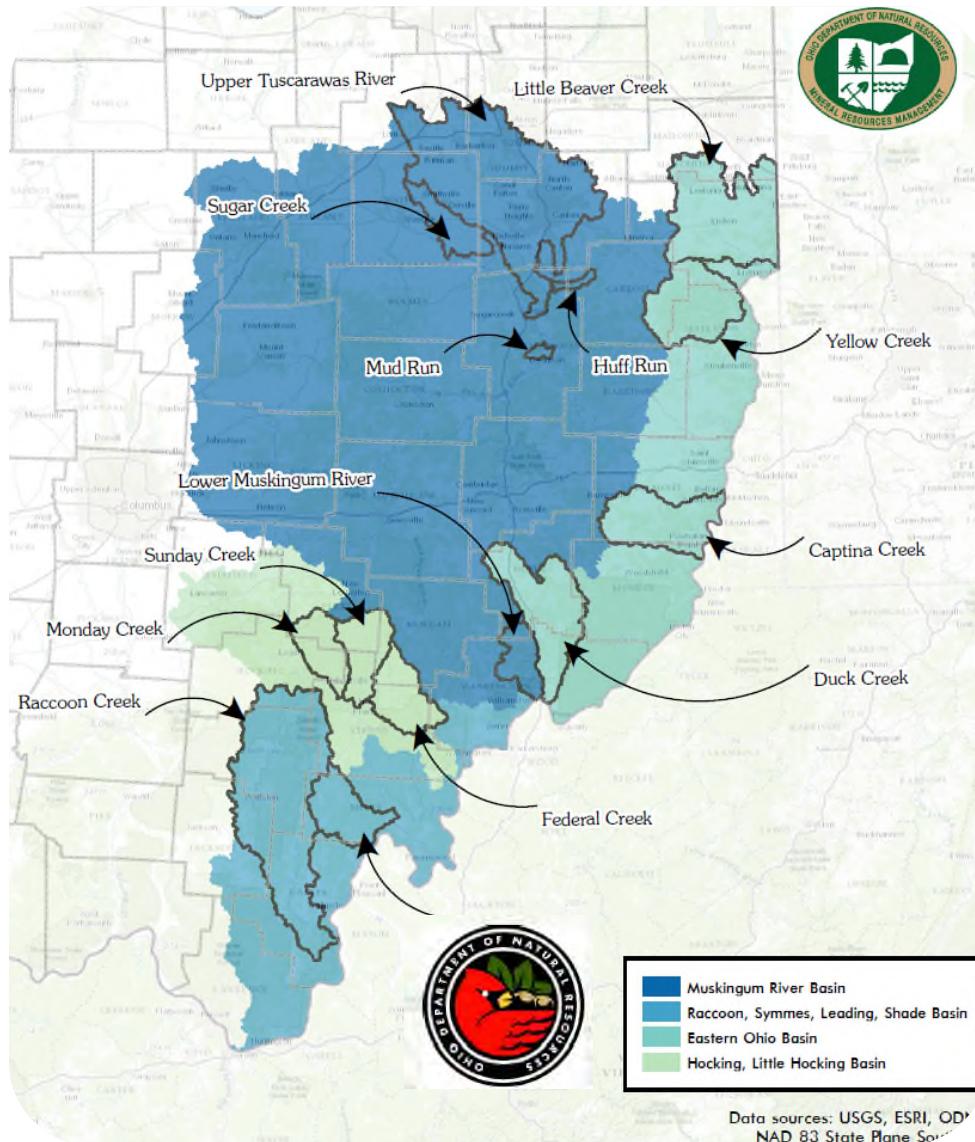
Other Projects



- Connecting people to watersheds and science based restoration
- Educating for the future
- Community Development



Going Forward



- Expanding efforts to address problems within larger watersheds
- Fee for Service activities
- Building a larger toolkit

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Member Based, Community Driven!
Join Today www.ruralaction.org



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